Dear Rosalind :

It was very generous of you to offer to send me a copy of the numerical entries from which your TMV cylindrical Patterson map was drawn. On reflexion, I would like very much to have this, if it is not troubling you too much. [Please say if F(000) is zero or? and the scale of the entries, even if only roughly known] . I have been wondering whether you find any confirmation of the idea of Bernal and Fan, that there is two-dimensional periodicity perpendicular to the c-axis , giving a hexagonal cell a= . . , or any other two-dimensional cell and whether, in particular, you agree with them in thinking that the strong 11A reflexions on l=2 are trigonally arranged about the axis? I ask this last question in particular because of the overall impression one gets from your figure 1 map in Nature 26Feb55 of the importance of the 10-11A reflexions on many different layer lines. Any information you feel willing to give me as to the presumed positions in three-dimensional space of such reflexions would interest me greatly.

I am very much interested in and also full of admiration for your remarkable work on NaDNA, as I mentioned in my last letter. The idea of having been able to get a three-dimensional Patterson map is extremely impressive. I stud the two sections in N ture 172,157,1953 with great interest and feel very curious as to what three-dimensional situation turns out to be responsible for the various remarkable features of the cylindrical Patterson , particularly of those features at z about 7A and ρ = 8-14A and z about 2½A and ρ about 5½A.

I do wish it were possible to discussnall these aspects of your beautiful work with you in conversation instead of in letters. Cant you spend some time with us at W odsH le this summer, as my guest? We could, I think, give you a good time- and I hope no hurricane!

With best regards

Yours Dr Mg W. May 7/55

FOLD SIDES OVER AND THEN FOLD BOTTOM UP
MOISTEN FLAP WELL AND APPLY PRESSURE TO SEAL
NO OTHER ENVELOPE SHOULD BE USED

Please excuse mess on other side. I only found I had already addressed this to Ms S. ager when I had written all this letter to you.